A.1.C.10.5

Answer to Problem 5:

$f(x) = 2*3^x$ is an exponential function with the following values for (x,y).

x	y
1	6
2	18
3	54
4	162

1. What numerical pattern do you observe in the exponential function as the (x,y) values increase?

2. Graph $f(x) = 2*3^x$

3. Calculate $f(5)$ using the numerical pattern, the equation, or the graph generated.

4. Which representation is easier to use to derive $f(5)$. Explain your reasoning.